

Servo-Electronic/Electro-Dynamic Digital Single Phase AC Voltage Stabilisers / Power Line Conditioners



Single Phase
mSVR-5H



System Parameters

Rated Power:	5	[kVA]
Input Variation Range: *	-28 / +15	[%]
Selectable Rated Voltage:	220 - 230 - 240 (<i>adjustable 208 to 240</i>)	[V]
Input Voltage Range:	165 - 265	[V]
Max Input Current:	30.3	[A]
Output Current: *	21.7	[A]
Output Accuracy:	±1 (<i>Adjustable 1 to 5</i>)	[%]
Frequency:	50/60 (35 - 63)	[Hz]
Speed of Regulation:	Typically a 10% supply variation will be corrected within 2.5% in 0.6 seconds (front panel adjustable)	[Seconds]
Efficiency:	>98	[%]
Admitted Load Variation:	Up to 100	[%]
Restart Time Delay:	5 (<i>adjustable 1 to 999</i>)	[sec]
Cooling:	Natural Ventilation	[-]
Operating Ambient Temperature:	0/+45	[°C]
Storage Temperature:	-25/+60	[°C]
Max Relative Humidity:	90	[%]
Admitted Overload:	Operational Overload Settings are set via the Digital Display Panel, with electro-mechanical overload ratings at 1000% for 100 milliseconds 250% for 10 seconds 150% for 1 minute	[%]
Harmonic Distortion:	None Introduced	[-]
Colour:	RAL 1013 (<i>Oyster White</i>)	[-]
Ingress Protection Degree:	IP20	[-]
Metering (Front Panel):	Digital - Input Volts, Output Volts & Current	[V/A]
LED Status Indication (Front Panel):	Normal, Time Delay, High Voltage, Low Voltage & Overload	[-]
Installation:	indoor - Hardwired (<i>Bottom & Rear Cable Entry</i>)	[-]
Physical Size: (W x H x D)	303(W) x 320(H) x 402(D)	[mm]
Weight:	27	[Kg]

* at 230V (*Default*) selected Output Voltage

Additional Features

Automatic Circuit Breaker to protect against overload and short circuit
Inbuilt Manual Bypass Switch with interlocking
TVSS - Protects loads against high-energy Spikes and Transient Voltages
LC Filtering delivering Common Mode and Differential Mode Attenuation of 50dB at 100kHz
Class II SPD (Lightning Surge Arrestor) - prevents the spread of high over-voltages to the system and load
RS-232 Interface for Remote Monitoring



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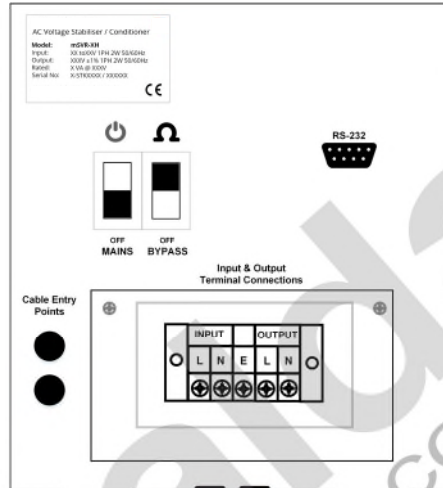


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Physical Appearance, Sizes & Weights



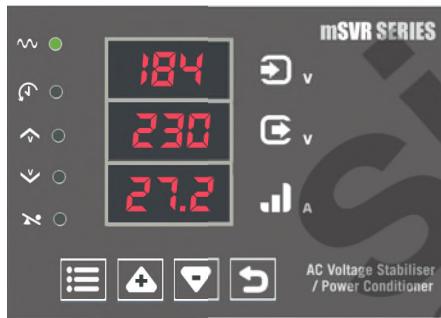
FRONT VIEW



REAR VIEW

Unpacked:
303(W) x 320(H) x 402(D) mm - 27Kg
Packed:
44(W) x 47(H) x 54(D) cm - 29 Kg

For use with a Two-Phase Supply (No Neutral) Phase 2 (L2) should be connected to the Neutral (N) Connections on the Stabiliser (N) instead.



FRONT DISPLAY PANEL

System Adjustable Parameters via the Display Panel

Password-protected access for setting the Stabiliser/Conditioner's 7 user-definable system parameters. User-adjustable parameters are-

1. Output Voltage
2. Output Voltage Accuracy
3. Output Under-Voltage Level
4. Output Over-Voltage Level
5. Input Overload level
6. Speed of Response
7. Time Delay

General Schematic Diagrams

